

Notice of Allowability	Application No.	Applicant(s)	
	10/721,114	SHEPLEY ET AL.	
	Examiner	Art Unit	
	Daniel A. Hess	2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/6/2005 interview with applicants.
2. ☒ The allowed claim(s) is/are 30-44 and 49.
3. ☒ The drawings filed on 11/25/2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
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EXAMINER'S AMENDMENT / ALLOWANCE

This action is in response to an interview conducted with the applicant's representative on 5/6/2005, during which the applicant's representative informally proposed amendments which are included below as examiner's amendments.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ralph E. Jocke on 5/6/2004.

The application has been amended as follows:

IN THE CLAIMS:

Claims 1-29 (cancelled)

30. (currently amended) Apparatus comprising:

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a diagnostic article adapted to be operatively connected to and disconnected from an ATM capable of dispensing cash, wherein the diagnostic article includes computer readable ATM service data capable of being read through operation of the ATM, wherein at least a portion of the ATM service data is encrypted and is capable of being decrypted by diagnostic software operating in at least one processor of the ATM, wherein the decrypted ATM service data is capable of being used by the diagnostic software operating in the at least one processor of the ATM to enable visual information to be provided through a display device of the ATM, at least some of which visual information is provided responsive to ATM service data read from the diagnostic article and diagnostic data stored in at least one data store of the ATM, which diagnostic data concerns at least one operational characteristic of at least one transaction function device of the machine ATM.

31. (previously presented) The apparatus according to claim 30 wherein the diagnostic article comprises a portable storage medium.

32. (previously presented) The apparatus according to claim 31 wherein the portable storage medium comprises a CD.

33. (previously presented) The apparatus according to claim 31 wherein the portable storage medium comprises a DVD.

34. (previously presented) The apparatus according to claim 31 wherein the portable storage medium comprises a portable flash memory device.

35. (previously presented) The apparatus according to claim 30, wherein the ATM service data includes data capable of being used by the diagnostic software operating in the at least one processor of the ATM to cause the visual information to be provided through the display device, which visual information includes indicia indicative of significance of the diagnostic data.

36. (previously presented) The apparatus according to claim 35, wherein the decrypted ATM service data enables the at least one processor to output the indicia indicative of significance.

37. (currently amended) The apparatus according to claim 35, wherein the indicia indicative of significance corresponds to diagnostic data stored in at least one data store of the ~~machine~~ ATM concerning at least one operational characteristic of a cash dispenser of the ~~machine~~ ATM.

38. (previously presented) The apparatus according to claim 30, wherein the diagnostic article includes data corresponding to at least one code capable of being read from the diagnostic article through operation of the ATM, wherein the at least one code is capable of

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being authenticated through operation of the at least one processor of the ATM, wherein successful authentication of the at least one code is operative to enable the diagnostic software operating in the at least one processor of the ATM to cause the visual information to be provided through the display device of the ATM, and wherein unsuccessful authentication of the at least one code is operative to prevent the diagnostic software operating in the at least one processor of the ATM from causing the visual information to be provided through the display device of the ATM.

39. (previously presented) The apparatus according to claim 38, wherein the encrypted ATM service data corresponds to the at least one code.

40. (previously presented) The apparatus according to claim 38, wherein the at least one code is capable of being authenticated with respect to at least one of a date determined through operation of the at least one processor, an input provided through an input device of the ATM, and data stored in the ATM.

41. (previously presented) The apparatus according to claim 40, wherein the diagnostic article includes the diagnostic software capable of being read from the diagnostic article by the at least one processor of the ATM, wherein the diagnostic software is operative in the at least one processor of the ATM to authenticate the at least one code.

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42. (previously presented) The apparatus according to claim 30, wherein the diagnostic article includes at least a portion of the diagnostic software stored thereon.

43. (previously presented) The apparatus according to claim 42, wherein the diagnostic software includes a browser capable of selectively accessing different portions of ATM service data from the diagnostic article.

44. (previously presented) The apparatus according to claim 30, wherein the diagnostic article includes diagnostic instructions capable of enabling the at least one processor to interact with at least one of a plurality of transaction function devices in the ATM to operate to conduct at least one diagnostic test.

Claims 45 - 48 (cancelled)

49. (currently amended) An article comprising:

computer readable media adapted to be selectively operatively connected with and disconnected from a cash dispensing automated banking machine, wherein the computer readable media includes computer executable instructions including service manual data corresponding to a plurality of service procedures for a cash dispensing automated banking machine, wherein the instructions are capable of being processed through operation of browser software to produce a plurality of outputs corresponding to a

plurality of service procedures, and wherein when the article is in operative connection with a cash dispensing automated banking machine, at least one processor of the machine is operative responsive to the instructions to access diagnostic data stored in at least one data store of the machine concerning operation of at least one transaction function device of the machine, wherein the at least one transaction function device is operative to cause cash to be dispensed from the machine, and wherein the at least one processor of the machine is operative responsive to browser software operating in the at least one processor, the accessed diagnostic data and service manual data to cause at least one output device of the machine to output indicia corresponding to at least one service procedure for the machine.

Claims 50 - 53 (cancelled)

Allowable Subject Matter

Claims 30-44 and 49 are allowed.

The following is an examiner's statement of reasons for allowance: The applicant has cancelled all claims except those which had been indicated as allowable. As a result, the full case is allowable.

The following is an excerpt from the 4/26/2005 action and summarizes the examiner's reasons for allowance.

The prior art of record known to the examiner fails to teach or fairly suggest that where there is an interactive device interfacing with the ATM machine in the manner recited in claim 30, such that the diagnostic data stored on the ATM machine in conjunction with diagnostic software stored on the ATM, operates using service data on the interactive device to display on the display device of the ATM diagnostic data concerning at least one operational characteristic.

Coutts (US 5,563,393) and Yoshida (US 5,253,167) each teach that diagnostic information is displayed on the external device that connects to the ATM.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel A. Hess whose telephone number is (571) 272-2392. The examiner can normally be reached on 8:00 AM - 5:00 PM M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DH

5/23/05



DANIEL STCYR
PRIMARY EXAMINER